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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/215,593	12/17/1998	JEFFREY M. GROSS	02939-P0001A	7204

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EXAMINER	
SINGH, RACHNA	
ART UNIT	PAPER NUMBER
2176	

DATE MAILED: 02/13/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/215,593

Applicant(s)

GROSS ET AL.

Examiner

Rachna Singh

Art Unit

2176

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 November 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

1. This action is responsive to communications: application, filed 12/17/98; amendment filed 11/25/02.
2. Claims 1-22 are pending in the case. Claims 1, 10, 17, and 22 are independent claims.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Smith et al., US Patent Number: 5,790,790, 8/1998 in view of Plantz et al., US Patent Number: 6,088,702, 7/00 (filed 2/98), Aoyama et al., US Patent Number: 6,301,592, 10/01 (filed 11/98), Ogawa, US Patent Number: 5,438,661, 8/95 and Adobe Acrobat Review, Available: <http://www.desktoppublishing.com/reviews/acrobat-1.html>, Adobe Acrobat 3.0, 1993.

In reference to Independent Claim 1, Smith discloses a system for delivering a portable document format to a server (compare to "a plurality of electronic documents in portable document file format") See abstract. While Smith's system does not disclose a means with which the electronic documents can be proofed; Plantz does. Plantz

Art Unit: 2176

discloses a group publishing system in which an unlimited number of authors and editors can perform word processing, document assembling, and editing functions on various portions of the document in a project. See abstract. His computer-based publishing system is implemented over the Internet. See column 7, lines 11-15. Plantz system also provides access control to prevent unauthorized persons from accessing and making changes to documents and projects. They do this using an identifier. See column 7, lines 30-35. Upon identifying the user, the system allows the user to edit documents in the project. See column 7, lines 35-62. Plantz system outputs the document into a viewable, printable, or downloadable in publishable format. Compare to "a computer connectable to the network for receiving the plurality of portable format documents together with at least one associated proofer identifier". See abstract. Both Plantz and Smith are of analogous art in the field of document processing.

Plantz does not disclose a system in which the program assigns a version number to the document that has been modified; however Aoyama does. Aoyama discloses a system for displaying version information. His system of version management consists of assigning a version number to the document. Moreover, it provides storage for the version information. See column 1, lines 39-44 and figures 1, 2 and 6. Aoyama also teaches presenting the versions of a document in a two-dimension display in which elements of the project are displayed with versions of the elements. Specifically, Aoyama discloses a means to display the various version elements so that a user can see the relationship between a particular version of a project and constituent elements of particular versions thus resulting in the efficiency of project editing.

Compare to ***“a program executing on said computer for assigning a version number to each of the plurality of received portable format documents; and a database accessible by said computer for storing the documents and associated version numbers said computer for receiving a request, from a proofer presenting the proofer identifier, to review multiple versions of a portable format electronic document”.***

Aoyama does not disclose a visual comparison of the various versions, but Ogawa teaches a means in which a version of a document is displayed on the same display screen for comparison. See abstract and columns 1-2. Ogawa teaches that the comparison on the same display screen eases the editing process and reduces buffer area required for the editing process. Compare to ***“said program for retrieving and formatting the requested multiple document versions for simultaneous display to permit visual comparison.”***

It would have been obvious to combine Aoyama and Ogawa since both are concerned with editing documents and providing the various versions to the user for displaying a relationship between the documents. Simultaneously displaying the documents allows for ease of editing and reduced buffer area in a version editing environment as taught by Ogawa. It would have been obvious to incorporate Plantz's system of editing documents with a proofer identifier with Aoyama's system of version management and Ogawa's simultaneous display because the user is editing a document to be retrieved by other editors. Since they are collaborating on editing a document or project, it would make sense to provide version information along with

information on the user who edited the document as taught by Aoyama with a proofer identifier to make sure no unauthorized users are editing the documents. Moreover, Plantz, Aoyama, and Ogawa are concerned with editing documents and providing different versions of these documents. Thus combining Plantz, Aoyama, and Ogawa would make sense since both systems have similar goals in providing the user with the ability to edit documents.

While both Plantz and Aoyama do not disclose a system in which the documents being edited are portable document file formats, Adobe Acrobat 3.0 allows users to edit a portable document file. More specifically, Acrobat consists of an Exchange feature which allows a user to insert, delete and edit portions of the document. It would have been obvious to combine Acrobat's feature of editing portable document files with Smith's method of delivering a portable document over a network in order to provide an environment in which multiple users could edit documents of multiple versions since it was common at the time the invention was made to collaboratively edit documents in a project over a network.

Claim 2 further cites, ***"in which the network is the internet."*** Plantz discloses a system in which the network is the Internet. See column 7, lines 11-15.

Claim 3 further cites, ***"in which said program sends an email each time a new document version is received, notifying the proofer that it is available for review."*** Plantz's system allows editors to electronically communicate with each other; however, Plantz does not disclose a system in which a program sends an email each time a new document version is received. See abstract. Smith's document delivery system allows

Art Unit: 2176

the publisher to deliver documents to the consumers via email. Smith also discloses a system in which notification is sent to the receiver upon the retrieval of a document on the server. See abstract. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have a notification program which delivers an email to the editors upon the receipt of a new document since it allows the user to see new versions.

Claim 4 cites, ***“the system of claim 2 in which said computer includes a webserver program for publishing document versions to proofers.”*** Plantz’s system allows the proofer to view the published versions on a webserver program such as Internet Explorer. See column 7, lines 15-25 and Figure 6.

Claim 5 further cites, ***“in which said computer executes scripts permitting the proofer to request information from said database through the web-server program.”*** Plantz’s system uses an Internet connection and a web-server program to allow the editor to link to a URL of a site and view, edit, and share the documents. See column 7, lines 10-27.

Claim 6 cites, ***“in which said computer executes scripts which interpret commands entered by the proofer.”*** Plantz system allows the editor to make changes in the documents. See column 7, lines 28-63.

Claim 7 cites, ***“in which said computer receives comments from proofers concerning document versions, and in which said program stores the comments in said database together with the corresponding document version.”*** Plantz discloses a system in which the notes and messages from the authors and editors are

posted. While Plantz does not disclose this information in reference to the document versions, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the system of editor comments to display them along with the version information display as disclosed by Aoyama since it allows the editors to see other views of corresponding editors in regards to various versions of the document.

Claim 8 further cites, ***"in which said computer formats a history of received comments for display together with a document version."*** While Plantz discloses a means of receiving comments from the editors, he does not disclose a method of formatting a *history* of the comments related to the versions disclosed by Aoyama. Aoyama, however, does include dates for each version of the documents in a project. It would have been obvious to one of ordinary skill in the art at the time the invention was made to organize Plantz's comments in a historical manner in regards to the various versions of a document because the version information includes the date of editing and linking the comment to an appropriate version aids the editors in receiving feedback from their collaborators.

Claim 9 cites, ***"wherein said program retrieves records corresponding to each of the requested document versions and assembles URLs pointing toward the documents from data in the records."*** Aoyama discloses a means of retrieving various versions of a document; however, Aoyama does not disclose a program for assembling URLs pointing to the documents from data in the records. Plantz does disclose his system of editing documents to take place over the Internet. Access to a project is obtained by linking to an URL. It would have made sense to one of ordinary

skill in the art at the time the invention was made to incorporate Aoyama's version information display with Plantz's linking to a URL for the project documents since providing editing options over the Internet allows users of various localities to access the documents at their convenience.

In reference to Claim 10, Plantz discloses a system in which the notes and messages from the authors and editors are posted. While Plantz does not disclose this information in reference to the document versions, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the system of editor comments to display them along with the version information display as disclosed by Ogawa since it allows the editors to see other views of corresponding editors in regards to various versions of the document. Plantz displays the comments using a web board. See column 11, lines 12-15. Ogawa teaches a means in which various versions of the documents are displayed on the same display screen for comparison. See abstract and columns 1-2. Ogawa teaches that the comparison on the same display screen eases the editing process and reduces buffer area required for the editing process. See rejections above. Both displaying notes and messages from the editors and a simultaneous display of different versions were well known in the art at the time of the invention, thus displaying both pieces of information simultaneously would have been obvious to one of ordinary skill in the art since the comments refer to the various versions of the documents. The rest of claim 10 is rejected under the same rationale used in claim 1 above.

Claim 11 further cites, ***“in which at least some of the plurality of comments are received by said computer together with a proofer identifier.”*** Plantz system posts the comments with the editor name. See column 11, lines 10-15.

Claim 12 cites, ***“in which at least some of the plurality of comments are received by said computer together with a creator identifier.”*** Plantz system can also post the comments with the author names. See column 11, lines 10-15.

In reference to claim 13, Plantz discloses his system over the Internet.

Claim 14 rejected under same rationale used to reject claim 3 above.

In reference to claim 15, Plantz displays the comments using a web board. See column 11, lines 12-15. Aoyama discloses a system for displaying version information. Thus displaying both pieces of information simultaneously would have been obvious to one of ordinary skill in the art since the comments refer to the various versions of the documents.

Claim 16 rejected under the same rationale used to reject claim 9 above.

In reference to claim 17, Smith discloses a system for delivering a portable document format to a server. See abstract. While Smith's system does not disclose a means with which the electronic documents can be proofed; Plantz does. Plantz discloses a group publishing system in which an unlimited number of authors and editors can perform word processing, document assembling, and editing functions on various portions of the document in a project. See abstract. His computer-based publishing system is implemented over the Internet. See column 7, lines 11-15. Plantz system also provides access control to prevent unauthorized persons from accessing

Art Unit: 2176

and making changes to documents and projects. They do this using an identifier. See column 7, lines 30-35. Upon identifying the user, the system allows the user to edit documents in the project. See column 7, lines 35-62. Plantz system outputs the document into a viewable, printable, or downloadable in publishable format. See abstract. Both Plantz and Smith are of analogous art in the field of document processing.

Plantz does not disclose a system in which the program assigns a version number to the document that has been modified; however Aoyama does. Aoyama discloses a system for displaying version information. His system of version management consists of assigning a version number to the document. Moreover, it provides storage for the version information. See column 1, lines 39-44 and figures 1, 2 and 6. Aoyama discloses a version information system in which the user can choose a document among the various versions in a project. See figure 6 and column 2, lines 55-60. The user can select which one to view. See figure 6. Aoyama also teaches presenting the versions of a document in a two-dimension display in which elements of the project are displayed with versions of the elements. Specifically, Aoyama discloses a means to display the various version elements so that a user can see the relationship between a particular version of a project and constituent elements of particular versions thus resulting in the efficiency of project editing. Aoyama does not disclose a visual comparison of the various versions, but Ogawa teaches a means in which a version of a document is displayed on the same display screen for comparison. See abstract and

columns 1-2. Ogawa teaches that the comparison on the same display screen eases the editing process and reduces buffer area required for the editing process.

It would have been obvious to combine Aoyama and Ogawa since both are concerned with editing documents and providing the various versions to the user for displaying a relationship between the documents. Simultaneously displaying the documents allows for ease of editing and reduced buffer area in a version editing environment as taught by Ogawa. It would have been obvious to incorporate Plantz's system of editing documents with a proofer identifier with Aoyama's system of version management and Ogawa's simultaneous display because the user is editing a document to be retrieved by other editors. Since they are collaborating on editing a document or project, it would make sense to provide version information along with information on the user who edited the document as taught by Aoyama with a proofer identifier to make sure no unauthorized users are editing the documents. Moreover, Plantz, Aoyama, and Ogawa are concerned with editing documents and providing different versions of these documents. Thus combining Plantz, Aoyama, and Ogawa would make sense since both systems have similar goals in providing the user with the ability to edit documents.

While both Plantz and Aoyama do not disclose a system in which the documents being edited are portable document file formats, Adobe Acrobat 3.0 allows users to edit a portable document file. More specifically, Acrobat consists of an Exchange feature which allows a user to insert, delete and edit portions of the document. It would have been obvious to combine Acrobat's feature of editing portable document files with

Smith's method of delivering a portable document over a network in order to provide an environment in which multiple users could edit documents of multiple versions since it was common at the time the invention was made to collaboratively edit documents in a project over a network.

Claim 19 is rejected with the same rationale used to reject claim 7 above.

Claim 20 is rejected with the same rationale used to reject claim 8 above.

In reference to claim 21, Plantz discloses the system over the Internet. See column 7, lines 11-15. Plantz also discloses the use of a web server program such as Internet Explorer. See column 7, line 15-20.

Claim 22 is rejected under the same rationale used in claim 17 above.

Response to Arguments

5. Applicant argues that the cited prior art does not render obvious the claims of the present invention. The prior art references are used to suggest that it was well known at the time of the invention to edit documents in a collaborative environment in which authorized users with identification could develop varying versions of the same document. Adobe Acrobat 3.0 suggests that it was known at the time of the invention to edit documents in PDF formats. Plantz suggest a group publishing system in which a plurality of users can perform word processing, document assembling, and editing functions of various portions of a document in a project. Plantz's system authorizes users using an identifier. Aoyama suggests a system in which documents that have been edited are provided with a version number. He teaches versioning edited

documents. It would have been obvious to combine Plantz and Aoyama since Plantz provides a system of editing documents and Aoyama versions edited documents so that in an environment with a plurality of users editing a document, versions can be maintained for review. See column 1 of Aoyama in which he states, "Version management indicates management of information items such as a version number. . .such that when a user edits or updates documents and program sources, it is possible to retrieve any version of documents and program sources." Ogawa teaches version management in a multi-window environment. Ogawa and Aoyama are combinable because both are of analogous art in the field of version management of documents that have been edited. Plantz, Aoyama, and Ogawa are all concerned with the editing of documents such that multi-user collaborations on such projects can be provided with authorization and version numbers. Since it was well known as illustrated by Plantz, Aoyama, and Ogawa to edit documents in multi-user environments with features such as versioning and authorizing, it would have been obvious to one of ordinary skill in the art at the time of the invention to provide a similar system for editing PDF formatted documents. It was well known at the time of the invention to edit PDF formatted documents as taught by Adobe Acrobat 3.0. Please see rejections above.

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent Number 6,065,026 Cornelia et al. 707/531

Multi-User Electronic Document Authoring System With Prompted Updating of Shared Language

US Patent Number 6,349,287 Hayashi 705/8

Work-Flow Support System

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rachna Singh at 703.305.1952. The examiner can normally be reached on Monday-Friday from 8:00AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon, can be reached at 703.308.5186.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is 703.305.3900.

Art Unit: 2176

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

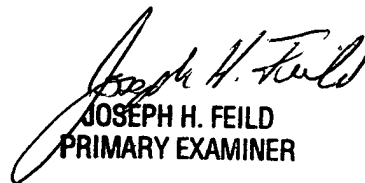
After-Final 703.746.7238

Official 703.746.7239

Non-Official/Draft 703.746.7240

Hand-Delivered responses should be brought to Crystal park II, 2121 Crystal Drive, Arlington VA., Sixth Floor (Receptionist).

Rachna Singh
January 15, 2003


JOSEPH H. FEILD
PRIMARY EXAMINER